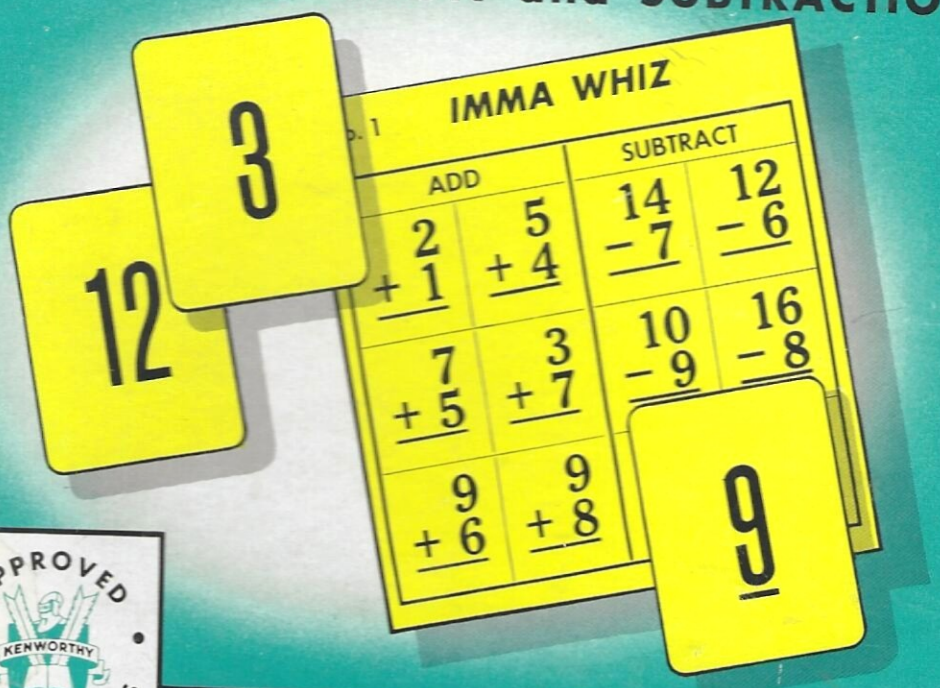
IMMA WHIZ

No. 2218

ADDITION and SUBTRACTION



APPROVED • KENWORTHY • TEACHING AIDS

KENWORTHY EDUCATIONAL SERVICE, INC.
BUFFALO, NEW YORK

Directions for using — No. 2218

IMMA WHIZ

ADDITION - SUBTRACTION

There are 24 playing cards and 18 answer cards to this game. From 2 to 24 people may play the game at one time. There are no duplicate cards and no duplicate combinations or answers. One player may play two or more cards, or two persons may play one card.

Each player selects a card upon which are 6 problems in addition and 6 problems in subtraction. One person is selected to call the answer cards. (In the class room this person could be the teacher.) As the answers are called, the players cover the problems on their cards that have those answers. For example, let us call "6." Each player places a marker on any problem on his card that would have "6" for its answer. And so on for each answer called. The first player to fill a row across or up and down his card calls "Imma-Whiz" and then reads back *the problems and the answers* to check that he is right. If he is, he is the winner. Or, he may be credited with a point and a certain number of points, such as 10, be called game. When playing for a full card there is only one winner.

In the class room, IMMA-WHIZ is ideal for competitive drill. It can be played as a contest by two teams or groups until a certain score is attained or until a previously set date is reached, one point given for each "Imma - Whiz". The keen competition stimulates pupils to learn combinations quickly, accurately, and permanently.

KENWORTHY EDUCATIONAL SERVICE, INC.—Buffalo, N. Y.

2218-K-916-71

SATISFACTION GUARANTEED

Should you find any discrepancy in the advertised contents of this package, please return this slip with sample and your criticism. Thank you.

KENWORTHY EDUCATIONAL SERVICE, INC.

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No. 1 **IMMA WHIZ**

ADD		SUBTRACT	
2 + 1	5 + 4	14 − 7	12 − 6
7 + 5	3 + 7	10 − 9	16 − 8
9 + 6	9 + 8	8 − 3	11 − 7

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No. 2 **IMMA WHIZ**

ADD		SUBTRACT	
9 + 9	1 + 1	15 − 6	11 − 3
7 + 8	4 + 6	7 − 1	13 − 6
9 + 4	7 + 5	9 − 4	6 − 2

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No. 3

IMMA WHIZ

ADD		SUBTRACT	
6 + 2	5 + 6	9 − 3	11 − 7
7 + 7	8 + 1	15 − 8	9 − 8
8 + 5	9 + 8	8 − 5	12 − 7

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No. 4

IMMA WHIZ

ADD		SUBTRACT	
5 + 2	6 + 4	9 − 5	18 − 9
8 + 8	2 + 9	11 − 9	14 − 8
5 + 7	9 + 5	13 − 5	11 − 6

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No. 5 IMMA WHIZ

ADD		SUBTRACT	
5 + 3	4 + 7	15 − 6	11 − 5
9 + 8	8 + 2	10 − 6	8 − 5
8 + 5	6 + 6	9 − 4	13 − 6

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No. 6 IMMA WHIZ

ADD		SUBTRACT	
6 + 3	2 + 5	14 − 8	12 − 7
9 + 9	7 + 8	8 − 7	11 − 3
8 + 4	9 + 1	10 − 6	9 − 7

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No. 7 **IMMA WHIZ**

ADD		SUBTRACT	
5 + 5	9 + 5	7 − 4	12 − 4
9 + 8	6 + 1	14 − 5	8 − 2
9 + 6	3 + 8	9 − 4	11 − 7

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No. 8 **IMMA WHIZ**

ADD		SUBTRACT	
2 + 8	5 + 7	9 − 3	17 − 8
9 + 4	2 + 2	11 − 4	3 − 1
6 + 8	9 + 7	15 − 7	13 − 8

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No. 9 IMMA WHIZ

ADD		SUBTRACT	
3 + 4	9 + 8	11 − 8	12 − 4
6 + 5	7 + 7	15 − 9	10 − 5
4 + 8	2 + 7	7 − 6	12 − 8

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No. 10 IMMA WHIZ

ADD		SUBTRACT	
4 + 6	9 + 9	11 − 6	9 − 1
8 + 5	7 + 8	4 − 2	15 − 9
5 + 7	9 + 2	13 − 9	10 − 3

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No. 11 **IMMA WHIZ**

ADD		SUBTRACT	
8 + 2	6 + 8	11 − 6	15 − 9
9 + 8	4 + 9	12 − 5	10 − 7
7 + 4	9 + 3	13 − 9	16 − 7

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No. 12 **IMMA WHIZ**

ADD		SUBTRACT	
3 + 3	5 + 6	12 − 8	5 − 3
7 + 9	6 + 8	10 − 2	17 − 8
8 + 5	9 + 3	6 − 5	14 − 9

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No. 13 IMMA WHIZ

ADD		SUBTRACT	
9 + 8	6 + 7	9 − 2	10 − 6
8 + 2	9 + 6	8 − 5	16 − 7
8 + 4	4 + 7	14 − 6	12 − 7

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No. 14 IMMA WHIZ

ADD		SUBTRACT	
9 + 8	6 + 4	11 − 4	9 − 3
5 + 7	9 + 9	17 − 8	6 − 4
9 + 4	8 + 3	13 − 9	14 − 6

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No. 15 IMMA WHIZ

ADD		SUBTRACT	
7 + 6	7 + 8	13 − 8	9 − 6
9 + 5	6 + 4	12 − 3	10 − 4
7 + 1	3 + 8	5 − 4	15 − 8

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No. 16 IMMA WHIZ

ADD		SUBTRACT	
6 + 9	8 + 6	9 − 5	17 − 9
7 + 3	3 + 9	13 − 4	14 − 9
4 + 7	2 + 4	9 − 2	7 − 5

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No. 17 IMMA WHIZ

ADD		SUBTRACT	
5 + 7	8 + 9	13 − 7	10 − 3
7 + 7	3 + 2	11 − 2	9 − 5
4 + 9	9 + 1	15 − 7	12 − 9

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No. 18 IMMA WHIZ

ADD		SUBTRACT	
9 + 9	8 + 7	13 − 7	8 − 6
6 + 5	9 + 3	4 − 3	16 − 9
3 + 1	2 + 6	10 − 1	8 − 3

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No. 19 IMMA WHIZ

ADD		SUBTRACT	
4 + 7	8 + 9	11 − 5	5 − 2
5 + 9	4 + 3	9 − 5	14 − 6
8 + 2	6 + 6	4 − 3	6 − 1

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No. 20 IMMA WHIZ

ADD		SUBTRACT	
8 + 8	5 + 8	9 − 7	14 − 8
7 + 3	6 + 9	12 − 4	8 − 4
9 + 2	5 + 4	7 − 2	11 − 4

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No. 21 **IMMA WHIZ**

ADD		SUBTRACT	
7 + 9	4 + 4	3 − 2	13 − 7
3 + 9	7 + 4	6 − 3	16 − 9
6 + 3	5 + 8	11 − 6	5 − 1

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No. 22 **IMMA WHIZ**

ADD		SUBTRACT	
8 + 3	4 + 9	7 − 3	10 − 8
8 + 7	5 + 1	12 − 3	14 − 9
3 + 7	9 + 9	8 − 1	17 − 9

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No. 23 **IMMA WHIZ**

ADD		SUBTRACT	
7 + 9	6 + 7	4 − 1	12 − 5
4 + 1	9 + 6	8 − 2	17 − 9
8 + 4	5 + 5	14 − 5	7 − 3

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No. 24 **IMMA WHIZ**

ADD		SUBTRACT	
2 + 7	6 + 8	2 − 1	12 − 8
9 + 7	5 + 2	11 − 6	13 − 7
8 + 5	7 + 4	16 − 9	11 − 9

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KENWORTHY

MATHEMATICS

INSTRUCTIONAL MATERIALS

For Classroom and Home

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WORKBOOKS
FLASH CARDS
VISUAL AIDS
EDUCATIONAL DEVICES

Published By
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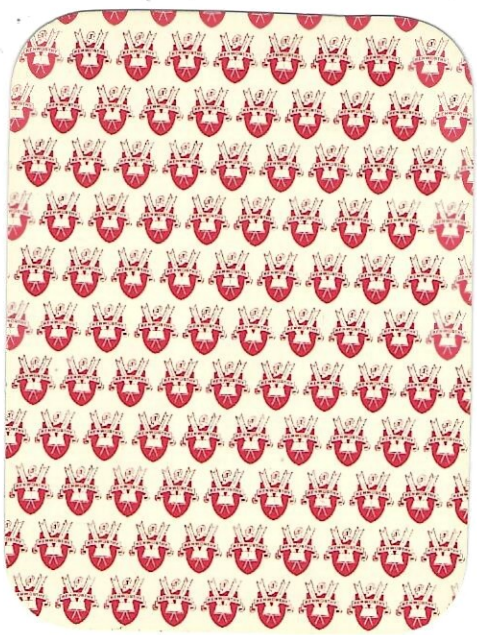
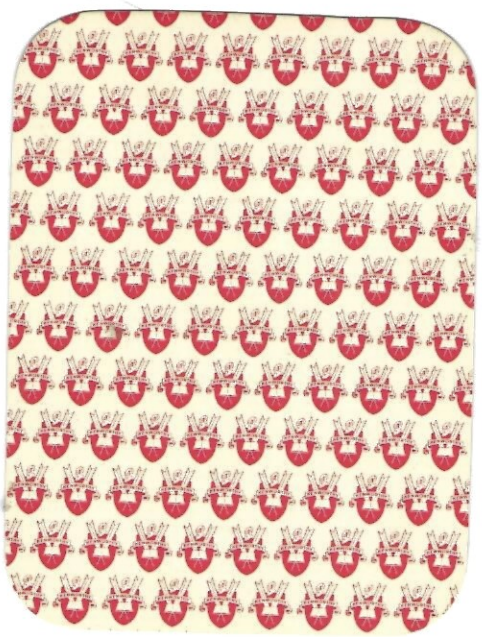
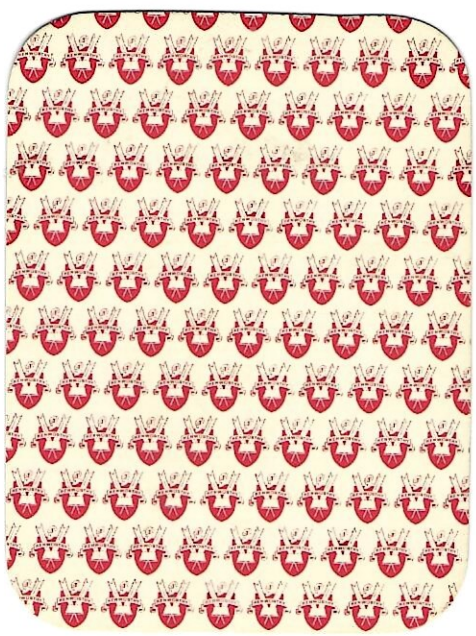
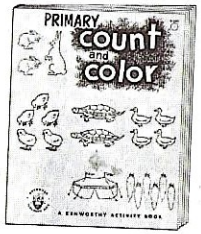






PRIMARY COUNT AND COLOR



Designed to aid in teaching beginning numbers. Number concept is well developed, and the child is taught by a unique method, through illustrations, to correlate, for instance, the number 4 and the word FOUR. Large illustrations, projecting one idea on a page, stimulate learning and careful coloring. Ample material for a full semester's work, and many suggestions to the teacher or parent.

No. B-3401

PERCEPTION CARDS

Set of 30 cards, one card for each figure, 1 to 10, one for each word, one to ten, and ten domino cards from one to ten. Can be used as flash cards for instant recognition, for working out various combinations, for number games, etc. Size of cards 6 x 9 inches.

No. 2014

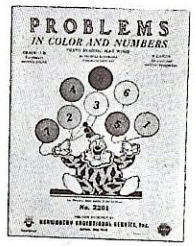
COMBINATIONS ARE FUN

A stimulating aid to teach and drill the 100 addition combinations. There are eight "brick houses" in a set, each "house" containing 13 windows. An addition problem is printed on the outside of each window and the sum given inside the "house" when the window is opened. By studying the combinations and opening the windows to find the sum, pupils learn the 100 addition combinations quickly. When the combinations have been mastered, many games may be played by one or two, or an entire class. Complete instructions with set.

No. 2230

PROBLEMS IN COLOR AND NUMBERS

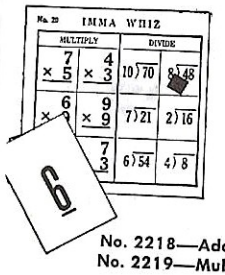
For Beginning First Grade



A set of eight different seatwork cards, 9 x 12 inches that teach the six colors, red, blue, orange, green, yellow and violet, by having children recognize the word and place an object which is printed on colored paper upon a similar form. On each card are six sentences in which to insert numbers telling how many of each number in each composition.

No. 2201

"IMMA WHIZ" ARITHMETIC GAME



For addition, subtraction, multiplication, division. Allows pupils to do actual classwork. Daily or weekly contests by teams or groups may be held. Keen competition stimulates pupils to learn all combinations quickly and accurately. May be used by two to twenty-four pupils.

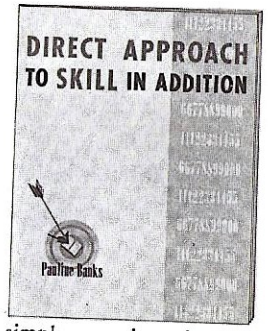
No. 2218—Addition, Subtraction
No. 2219—Multiplication, Division

NUMBER BUILDERS

2 Sizes

Approximately 300 pieces—for pupils' use in number building. With these sets pupils quickly learn number work of all kinds; including any of the multiplication tables, 2's to 12's. Printed on both sides of the card.

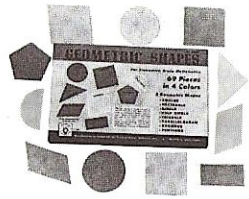
No. 2020, ¾" Cards
No. 2021, 1" Cards



DIRECT APPROACH TO SKILL IN ADDITION

Designed to teach basic addition facts to lay a solid foundation for multiplication and subtraction skills. Beginning with simple counting, the lessons develop adding columns with review of past lessons. Exercises requiring pupils thought processes focus his attention on combinations learned.

No. 2197



GEOMETRIC SHAPES

This set consists of 69 die-cut pieces — square, rectangle, circle, half-circle, triangle, parallelogram, rhombus, and pentagon, and each in four colors of card stock with several of each shape. Sizes are in proportion to 3¼ inches for easy handling. This set offers eight basic designs to aid early learning of the geometric concept of Mathematics.

No. 2009

SELF-TEACHING FLASH CARDS

Addition
Subtraction
Multiplication
Division
and
Fractions

These Flash Cards provide maximum visibility with large, clear figures printed in dark green on white cards, 9" x 3". Each set includes 100 combinations of the numerals 1 to 10 except Division set which has 90. The set of 100 Fraction Flash Cards presents a program for teaching and testing all the operations of fraction study.

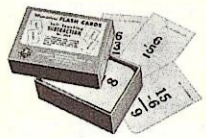
No. 2135, Addition
No. 2136, Subtraction
No. 2137, Multiplication
No. 2138, Division
No. 2134, Fractions

NUMBER RUMMY

Number Rummy teaches concepts, facts, and relationships of numbers. Makes practicing number facts and simple mathematics fun, and provides a positive learning experience with built-in rewards. Provides constructive, quiet, small group learning activity without the teacher's constant attention. **No. 2023**

MINIATURE FLASH CARDS — 8 Sets

NEW MATH AND TRADITIONAL



These sets enable the pupils to work alone at their desks or in small groups. Each presents the 100 basic combinations. One side of card shows answer for learning, while the other side shows the problem only. Cards are 2" x 3".

NEW MATH

No. 2064, Addition
No. 2065, Subtraction
No. 2066, Multiplication
No. 2067, Division

TRADITIONAL MATH

No. 2060, Addition
No. 2061, Multiplication
No. 2062, Division
No. 2063, Subtraction

ALL 4 FLASH PAK —

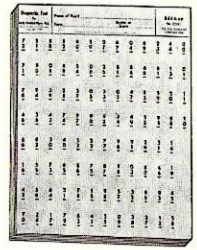
TRADITIONAL AND NEW MATH

Each packet contains four boxes of Miniature Flash Cards, as described above — Addition, Subtraction, Multiplication, and Division. When ordering, please specify by number denoting Traditional Math or New Math.

No. 2059 — Traditional Math.
No. 2068 — New Math.

DIAGNOSTIC TESTS

New Math and Traditional



These Test Sheets provide a quick, sure means of determining the child's accomplishments or weaknesses. 100 problems per sheet cover the basic combinations.

NEW MATH

No. 2510, Addition
No. 2511, Subtraction
No. 2512, Multiplication
No. 2513, Division

TRADITIONAL MATH

No. 2500, Addition
No. 2501, Multiplication
No. 2502, Division
No. 2503, Subtraction

ADDO

No. 2220

This game has been thoroughly tested in the classroom and proved to be a great incentive for the study, practice, and review of the 100 Addition Combinations. As many as 36 plays may participate in one game.

MULTO

This game is very much like ADDO, and can be used by as many as 36 players at one time. It reviews and drills the 100 combinations in multiplication. It provides highly motivated drill, as well as good constructive fun in the home or classroom. Also may be used for review in the upper grades.

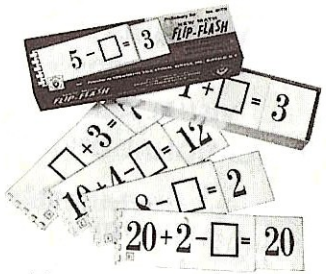
No. 2221

GETTING SET WITH SETS IN MODERN MATHEMATICS

This new book conveys a better and clearer understanding of the vital topic of SETS, found in math programs from the elementary grades through college. The explanation, simplified but fundamental, includes exercises, tests, and an answer section. Equally valuable to students, teachers, and parents.

No. B-3101

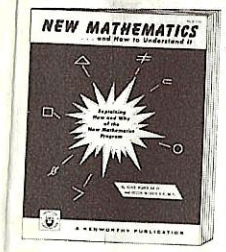
NEW MATH FLIP-FLASH COMBINATIONS



This series of four sets covers a broad selection of equations in the four fundamentals, and offers a flexible range for grade level. Manipulation of the flip-cards is unique, as the action holds attention and stimulates thinking. Each of the addition-subtraction sets presents 200 equations, and the multiplication-division sets have 100 equations each. These sets are especially designed to motivate the student to think, as he learns the so-called number facts through the use of open sentences.

No. 2170, Add'n-Subt'n. (Preliminary Set)
No. 2171, Add'n.-Subt'n. (Advanced Set)
No. 2172, Mult'n.-Div'n (Preliminary Set)
No. 2173, Mult'n.-Div'n. (Advanced Set)

NEW MATHEMATICS AND HOW TO UNDERSTAND IT



This vital handbook teaches the Why and How of the Modern Math Program, and why New Math is being taught. It explains and illustrates with examples specific steps in processes in solving Math problems. Covers major principles and concepts emphasized from first grade through Junior High. A great help to Teachers and, especially, Parents.

No. B-3100

NEW MATH FLASH CARDS

Approved for Modern Math programs are these four quality-produced sets of New Math Flash Cards — the same combinations used in Kenworthy's popular conventional Flash Cards, but presented in horizontal equations. Dark green on white cards, 9" x 3".

No. 2130, Add'n. (100 Combinations)
No. 2131, Subtr'n. (100 Combinations)
No. 2132, Mult'n. (100 Combinations)
No. 2133, Div'n. (90 Combinations)

COLORED TABLETS

For kindergarten and first grade number work and designing. 320 pieces, one inch in diameter — of circles, squares, triangles, and half-circles in eight colors of construction paper. **No. 2010**

SELF TEACHER-TESTER-CHECKER

For Addition, Subtraction, Multiplication and Division

Designed For Both Conventional and Modern Math

These 3-purpose cards enable pupils to learn the arithmetic combinations, test themselves, and check their own answers. After learning combinations, card is placed — testing side up — on sheet of paper. Pupil writes answers through the cut-out section. To check answers the card is simply turned over, showing complete problem, correct answer, and the pupil's answer. Visual checking is instantaneous. Made of durable card stock.

The Following Numbers Are Conventional Math. Cards

No. 2700 — Addition
No. 2701 — Subtraction
No. 2702 — Multiplication
No. 2703 — Division

Standard Packaged One Doz. Identical Cards Per Pack.

White Bond Paper Also Available. (See Below).

No. 2704 — One each of the above four cards and 50 sheets 9" x 12" White Bond Paper.
No. 2705 — 500 sheets 9" x 12" White Bond Paper.

The Following Numbers Are Modern Math. Cards

No. 2710 — Addition
No. 2711 — Subtraction
No. 2712 — Multiplication
No. 2713 — Division

Standard Packaged One Doz. Identical Cards Per Pack.

No. 2714 — One each of the above four cards and 50 sheets 8½" x 11" White Bond Paper.
No. 2715 — 500 sheets 8½" x 11" White Bond Paper.

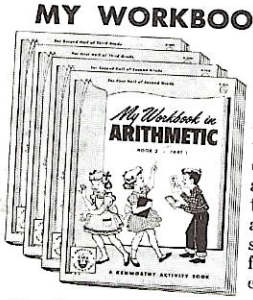
NUMBER LEARNING AND MATCHING

This Primary Independence in Learning set combines two correlating Arithmetic Aids. In the Number Learning section there are 16 different lessons. One side of each card shows a series of pictures, words and numbers; only pictures appear on the reverse side for practical application. The Number Matching game has 8 colored master cards with modern illustrations, and there are 12 cut-apart illustrated matching pieces for each master card. This kit teaches number concept and number association for the primary child or group.

No. 2240

MY WORKBOOK IN ARITHMETIC

For Grades 2 and 3



These are arithmetic textbooks. No other text is needed. Also used to supplement any basal text. The pupil learns how costly errors are, as he scores his work and checks it. He is directed into accurate learning habits. Imaginary problems in these books stimulate interest and provide fun while learning. 64 pages in each book.

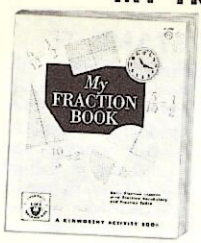
No. B-3018—Book 2, Part 1—For first half of second grade, is a picture book and silent reader. The child directs himself in the accurate learning of 100 simple facts in addition.

No. B-3019—Book 2, Part 2—For second half of the second grade, is likewise a picture book and silent reader. In it the child teaches himself the 100 simple subtraction facts.

No. B-3020—Book 3, Part 1—For the first half of third grade, develops advanced addition and subtraction.

No. B-3021—Book 3, Part 2—For the second half of third grade, teaches simple multiplication and division facts up to 9 x 9 and 81 ÷ 9 inclusive. Practically all of the concrete and story problems are illustrated.

MY FRACTION BOOK



This 48-page Text-Activity Book creates a foundation for the study of mathematics by presenting a clear, adequate series of lessons for learning fractions. Concrete examples are first given so that the student can understand by varied repetitions what it is to divide things into parts and how parts make fractions. It leads the student gradually from concrete experiences to an understanding of the abstract.

No. B-3404

PRACTICE EXERCISES IN LONG DIVISION

A student's book of self-teaching exercises to teach processes of long division. Problems are self-checking. Answers appear on separate pages which may be removed if desired. May also be used as teacher's handbook for the study of gradations, and sample problems will prove valuable in teaching by a method providing for varying abilities.

No. B-3031

Available at
Your Source of Instructional Materials

FORM SA 125M-1-71